

### Abstract

The invention provides an optical switch having a pair of opposed optical arrays, each optical array including a fixed mirror and a plurality of independently tiltable mirrors, at least one input port for launching a beam of light into the optical switch, said input port being disposed within a respective optical array, at least two output ports for selectively receiving a beam of light from an optical path between the at least one input port and a selected one of the at least two output ports, said at least two output ports being disposed within a respective opposed optical array, and an ATO element having optical power disposed between the pair of opposed optical arrays. The pair of opposed optical arrays is disposed in respective focal planes of the ATO element. Preferably, the ATO element has a focal length equal to a Rayleigh range of a beam of light incident thereon.

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